

CALIFORNIA ENERGY COMMISSION

1516 NINTH STREET
SACRAMENTO, CA 95814-5512
www.energy.ca.gov

**NOTICE OF PROPOSED AWARD**

**Advancing Natural Gas Energy Efficiency Research in
Existing Buildings and Baking Industry
GFO-18-503
March 22, 2019**

On December 20, 2018, the California Energy Commission (Energy Commission) released a competitive solicitation to fund advanced energy saving technologies and strategies to reduce natural gas use and greenhouse gas (GHG) and other emissions in California's buildings and baking sectors. Up to \$9.47 million in Natural Gas Research Program funding is available to fund applications for projects in the following groups:

- Group 1: Demonstrate and Deploy Pre-Commercial or Emerging Energy Efficient and GHG Emission Reducing Technologies for the Commercial, Wholesale and Industrial Baking Sector
- Group 2: Improve Efficiency and Reduce GHG and Other Emissions from Residential Room and Wall Heaters
- Group 3: Improve Hot Water Distribution System Efficiency in Existing Homes
- Group 4 Develop Advanced Insulation for Existing Homes Using Phase Change Materials

The Energy Commission received eight proposals by the due date of February 15, 2019. Each proposal was screened, reviewed, evaluated and scored using the criteria in the solicitation. Seven proposals passed the Stage One Application Screening.

The attached "Notice of Proposed Awards" identifies each applicant selected and recommended for funding by Energy Commission staff and includes the recommended funding amount and score. The total amount recommended is \$4,570,000.

Funding of proposed projects resulting from this solicitation is contingent upon the approval of these projects at a publicly noticed Energy Commission Business Meeting and execution of a grant agreement. If the Energy Commission is unable to timely negotiate and execute a funding agreement with an Applicant, the Energy Commission, at its sole discretion, reserves the right to cancel or otherwise modify the pending award.

In addition, the Energy Commission reserves the right to negotiate with successful applicants to modify the project scope, schedule, and/or level of funding.

This notice is being mailed to all parties who submitted an application to this solicitation and is posted on the Energy Commission's website at: www.energy.ca.gov/contracts/.

For information, please contact Douglas Harvey at (916) 654-4747 or Douglas.Harvey@energy.ca.gov.

Douglas Harvey
Commission Agreement Officer



California Energy Commission

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Project Group 1 - 4

Notice of Proposed Awards

March 22, 2019

<u>Group 1</u>							
Rank Number	Project Applicant	Title	Energy Commission Funds Requested	Energy Commission Funds Recommended	Match Funds	Score	Award Status
Did Not Pass							
	Frontier Energy, Inc.	Demonstration of Energy Efficiency Gas-Fired Equipment for California Commercial Bakeries	\$1,541,789	\$0	\$430,807		Did Not Pass
Total			\$1,541,789	\$0	\$430,807		

<u>Group 2</u>							
Rank Number	Project Applicant	Title	Energy Commission Funds Requested	Energy Commission Funds Recommended	Match Funds	Score	Award Status
Proposed Awards							
1	Gas Technology Institute	Improving the Performance of Wall Furnaces in California Homes	\$1,000,000	\$1,000,000	\$100,000	90.4	Awardee
2	Lawrence Berkeley National Lab	Cost-Effective Technologies and Strategies to Improve Energy Efficiency and Reduce Emissions of Direct Heating Equipment in California with Health Benefits	\$2,000,000	\$2,000,000	\$86,899	89.2	Awardee
Total Funding Recommended			\$3,000,000	\$3,000,000	\$186,899		
Did Not Pass							
	UC Riverside	Demonstration of Smart Residential Gas Heater using Natural Gas Fuel Quality Sensor with Artificial Intelligence for GHG Reduction and Efficiency Improvement	\$1,999,861	\$0	\$185,936		Did Not Pass
Total			\$1,999,861	\$0	\$185,936		
Disqualified							
	Energx Controls, Inc.	Technological and Cost Improvements of Multifamily Gas Furnaces	\$1,062,000	\$0	\$50,000		Disqualified
Total			\$1,062,000	\$0	\$50,000		



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<u>Group 3</u>							
Rank Number	Project Applicant	Title	Energy Commission Funds Requested	Energy Commission Funds Recommended	Match Funds	Score	Award Status
Did Not Pass							
	ZYD Energy, Inc.	Improve Existing Hot Water Distribution Systems through Integration of New Retrofit Technologies and Strategies	\$1,499,863	\$0	\$130,910		Did Not Pass
Total			\$1,499,863	\$0	\$130,910		

<u>Group 4</u>							
Rank Number	Project Applicant	Title	Energy Commission Funds Requested	Energy Commission Funds Recommended	Match Funds	Score	Award Status
Proposed Awards							
1	Regents of University of California, Davis	PCM-Enhanced Insulation Solution for Residential Exterior Wall Retrofits	\$1,570,000	\$1,570,000	\$165,870	93.4	Awardee
Total Funding Recommended			\$1,570,000	\$1,570,000	\$165,870		
Did Not Pass							
	Gas Technology Institute	Optimized Insulation and PCM Retrofit Packages for California Climates	\$1,500,148	\$0	\$158,440		Did Not Pass
Total			\$1,500,148	\$0	\$158,440		
Grand Total			\$12,173,661	\$4,570,000	\$1,308,862		